BRUHAT BENGALURU MAHANAGARA PALIKE

MODIFIED SCHEDULE-B

Name of work: Improvements to Roads And Drains in various Cross Roads of Devinagara,Lottegolahalli and surrounding area in ward no.12-Kodigehalli

Sl No.	Description of work	Unit	Quantity	Rate Quoted by the Contractor Approved Rates Sri Abbu Sambasiva Reddy		Remarks
				Rate	Rate In Words	
1	Removing and refixing stone slabs of drains and pointing and as per the directions of the Engineer-in-charge of the work	Sqm	388.53	185	Rupees One Hundred Eighty Five Only	
2	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	278.15	204	Rupees Two Hundred Four Only	
3	Providing B S Slabs of selected quality roughly dressed having a size of 10cms thick and fixed in cement mortar(1:6) including fixing curing etc…complete as directed by the engineer in charge of the work (Excluding GST and Area Leading Charges)	sqm	0	500	Rupees Five Hundred Only	Item Not Operatod
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates)					
	Qty Up to 125% of BOQ	Cum	18.98	7220	Rupees Seven Thousand Two Hundred Twenty Only	
	Qty above 125% of BOQ	Cum	14.24	5868.63	Rupees Five Thousand Eight Hundred Sixty Eight and sixty Three Paisa Only	
5	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200					
	Qty Up to 125% of BOQ	Tonne	1.14	105000	Rupees One Lakh Five Thousand Only	
	Qty above 125% of BOQ	Tonne	1.51	78592.34	Rupees Seventy Eight Thousand Five Hundred Ninty Two and Thirty Four Paisa Only	

Contractor

Executive Engineer

Sl No.	Description of work	Unit	Quantity	Rate Quoted by the Contractor Approved Rates Sri Abbu Sambasiva Reddy		Remarks
				Rate	Rate In Words	
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc and as per the directions of the Engineer-in-charge of the work					
	Qty Up to 125% of BOQ	Sqm	66	1800	Rupees One Thousand Eight Hundred Only	
	Qty above 125% of BOQ	Sqm	14.96	2072	Rupees Two Thousand Seventy Two Only	
7	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness,well compacted using plate vibrators, including all lead & lifts, cost ofall materials of quality, labour, Usage charges of machineries, curing,and all the other appurtenances required to complete the work as pertechnical specifications. (The cost of steel reinforcement & formwork shall be paid separately)	Cum	27.5	5000	Rupees Five Thousand Only	
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. and as per the directions of the Engineer-in-charge of the work	NO.	420.91 421	400	Rupees Four Hundred Only	
9	Removing and Resetting of Kerbs stones	Mtr	0	118	Rupees One Hundred Eighteen Only	Item Not Operatod
10	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	103.17	90	Rupees Ninty Only	
11	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work					
	Qty Up to 125%	Cum	399.38	70	Rupees Seventy Only	

Contractor

Executive Engineer

Sl No.	Description of work	Unit	Quantity	Rate Quoted by the Contractor Approved Rates Sri Abbu Sambasiva Reddy		Remarks
				Rate	Rate In Words	
12	Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406					
	Qty Up to 125%	Cum	260.06	1700	Rupees One Thousand Seven Hundred Only	
	Qty Above 125%	Cum	50.14	2245.76	Rupees Two Thousand Two Hundred Fourty Five and Seventy Six paisa Only	
13	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502					
	Qty Up to 125%	Sqm	1619.23	48	Rupees Fourty Eight Only	
14	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification No. 503					
	Qty Up to 125%	Sqm	1733.75	13	Rupees Thirteen Only	
	Qty Above 125%	Sqm	2995.62	11.3	Rupees Eleven and Thirty Paisa Only	
15	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects					
	Qty Up to 125%	Cum	76.7	8500	Rupees Eight Thousand Five Hundred Only	
16	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects					
	Qty Up to 125%	Cum	217.13	12000	Rupees Twelve Thousand Only	

Contractor

Executive Engineer

Sl No.	Description of work	Unit	Quantity	Rate Quoted by the Contractor Approved Rates Sri Abbu Sambasiva Reddy		Ren
				Rate	Rate In Words	
17	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. MORTH Specification No. 803					
	Qty Up to 125%	Sqm	97.88	525	Rupees Five Twenty Five Only	
	Qty Above 125%	Sqm	18	448.4	Rupees Four Hundred Fourty Eight and Four Paisa Only	
18	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness,well compacted using plate vibrators, including all lead & lifts, cost ofall materials of quality, labour, Usage charges of machineries, curing,and all the other appurtenances required to complete the work as pertechnical specifications. (The cost of steel reinforcement & formwork shall be paid separately)	Cum	0	6200	Rupees Six Thousand Two Hundred Only	Item Not Operatod
19	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates)	Cum	0	7200	Rupees Seven Thousand Two Hundred Only	Item Not Operatod
20	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200	Tonne	0	105000	Rupees One lakh and Five Thousand Only	Item Not Operatod
21	Providing and Fixing pre cast Covering Slab 230mm thick made out of CC 1:2:4 and jelly 25mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge	Sqm	22.1	4000	Rupees Four Thousand Only	

Contractor

Executive Engineer

	Description of work	Unit	Quantity	Rate Quoted by the Contractor Approved Rates Sri Abbu Sambasiva Reddy		Remarks
				Rate	Rate In Words	
22	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. MORTH Specification No. 803	sqm	0	525	Rupees Five Twenty Five Only	Item Not Operatod
23	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km	T.KM	785.84	159	Rupees One Fifty Nine Only	

Contractor

Executive Engineer
Byatarayanapura Division
BBMP